

CLAIMS:

1. A golf ball comprising a core and a cover formed of a cover resin composition, characterized in that said core has
5 a hardness corresponding to a compressive deflection amount of at least 3.5 mm when the load applied thereto is increased from an initial load of 10 kgf to a final load of 130 kgf, said cover resin composition has a melt flow rate of at least 3 as measured according to JIS K7210, and said cover has a
10 gage of up to 1.7 mm.
2. The golf ball of claim 1, wherein said core has a hardness at its center of 28 to 40 in Shore D hardness and a hardness at its surface of 35 to 52 in Shore D hardness, and
15 the difference in hardness between the core surface and the core center is 3 to 20.
3. The golf ball of claim 1, wherein said cover resin composition comprises as a resin component at least one component selected from the group consisting of olefin-unsaturated carboxylic acid copolymers, olefin-unsaturated carboxylic acid-unsaturated carboxylic acid ester copolymers, and metal ion-neutralized products of
20 these copolymers.
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4. The golf ball of claim 1, wherein said cover resin composition has organic short fibers dispersed and incorporated therein.
- 30 5. The golf ball of claim 1, wherein said cover resin composition comprises (a) at least one component selected from the group consisting of olefin-unsaturated carboxylic acid copolymers, olefin-unsaturated carboxylic acid-unsaturated carboxylic acid ester copolymers, and metal
35 ion-neutralized products of these copolymers and (b) a binary copolymer consisting of polyolefin and polyamide components in admixture as a resin component.

6. The golf ball of claim 4, wherein the polyamide in component (b) is in fiber form.
7. The golf ball of claim 4, wherein a weight ratio of
5 (a)/(b) is between 100/0.1 and 100/50.
8. The golf ball of claim 4, wherein in component (b), a weight ratio of polyolefin/polyamide components is between 25/75 and 95/5.